Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/03/2022 09:00 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	01/20/2022 09:34 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	32272	Expiration Date:	09/30/2022
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	125111	0	1.42	125020	1.4
Blue	F	SSC	125000	122245	-3	2.75	122689	2.65
Blue	E	FITC	13602	13248	-3	2.32	371	13.69
Blue	D	PE	24891	24510	-2	1.73	583	10.17
Blue	B	PerCP-Cy5-5	33972	33526	-2	3.06	956	14.85
Blue	A	PE-Cy7	22865	22798	-1	4.99	474	30.81
Red	C	APC	47198	46479	-2	2.65	1603	11.18
Red	A	APC-Cy7	26454	25782	-3	3.11	729	12.29
Violet	B	V450	6737	6409	-5	3.78	448	12.26
Violet	A	V500	29317	28147	-4	3.3	964	8.91

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	24039	2.73	565	30	N/A	N/A	Pass
Blue	F	SSC	54991	2.14	520	-1	N/A	N/A	Pass
Blue	E	FITC	55	57.02	488	4	0.0436	216	Pass
Blue	D	PE	114	38.92	491	5	0.4959	412	Pass
Blue	B	PerCP-Cy5-5	151	41.96	585	6	0.0203	104	Pass
Blue	A	PE-Cy7	78	80.87	628	7	0.0219	2	Pass
Red	C	APC	336	25.6	574	2	0.0305	237	Pass
Red	A	APC-Cy7	136	35.42	552	1	0.0065	1630	Pass
Violet	B	V450	76	51.67	445	-5	0.0507	2645	Pass
Violet	A	V500	113	37.82	465	-4	0.0238	1901	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-32.10	-31.87	1.16
Blue	20.36	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.43
Red	15.69	13.90 - 20.86	N/A	N/A	30.09	30.37	1.21

Window Extension: 7.00
FSC Area Scaling Factor: 0.76

Threshold

Threshold (FSC): 9772

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments